




United States Department of Agriculture

SERVICE AND REGULATORY ANNOUNCEMENTS BUREAU OF ANIMAL INDUSTRY

DECEMBER, 1930

[This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 25 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

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CHANGES IN DIRECTORY

Meat Inspection Granted

†*994. Johnson Meat Products Co. (Inc.), Pocomoke City, Md.
102. Bilt-More Packing Co. (Inc.), 467 Stephens Street SW., Atlanta, Ga.

Horse-Meat Inspection Granted

*E-74. Continental Packing Co., Berryessa Road near King Road, mail P. O. box 334, San Jose, Calif.
†*E-76. Ranger Packing Co. (Inc.), mail P. O. box 264, Albia, Iowa.

Meat Inspection Withdrawn

333. International Provision Co., Brooklyn, N. Y.

Change in Name of Official Establishment

*328. Gobel-Loffler (Inc.), Benning, D. C., and Keane-Loffler (Inc.): Adolf Gobel (Inc.); George Kern (Inc.); B. Meier & Son; Merkel Bros. (Inc.); A. Loffler Provision Co. (Inc.); T. T. Keane Co. (Inc.); Washington Abattoir Co. (Inc.); Jacob E. Decker & Son, instead of previous name.

† No sealed cars.

* Conducts slaughtering.

Change in Address of Official Establishment

3-I. Swift & Co., 811-819 Girard Avenue, Philadelphia, Pa., instead of 906 Noble Street.

Change in Official in Charge

W. L. Hayward succeeds Dr. M. T. Perry (transferred) as inspector in charge at Worcester, Mass.

Change in Addresses of Officials in Charge

Dr. M. Brodner, 219 Federal Building, Honolulu, Hawaii, instead of 218½ Federal Building.

Dr. E. T. Marsh, care Globe Laboratories, P. O. box 4143, Stock Yards Station, Fort Worth, Tex., instead of P. O. box 37.

New Stations

Albia, Iowa, horse-meat inspection, Dr. Joseph Hannon, care Ranger Packing Co., in charge.

Pocomoke City, Md., meat inspection, Dr. G. C. Pieper, care Johnson Meat Products Co. (Inc.), in charge.

New Substation

San Jose, Calif., meat inspection, substation of San Francisco, Calif.

NOTICES REGARDING MEAT INSPECTION**ANIMAL CASINGS OF FOREIGN ORIGIN**

Certificates required by B. A. I. Order 305 and instructions issued thereunder, which bear the official title of the foreign country as specified below, will be acceptable with animal casings offered for importation into the United States.

The certificates must also bear the signature of the high official of the national government having jurisdiction over the health of animals in the foreign country in which the casings originated, but owing to the fact that the high officials are changed from time to time it is impracticable to publish their names.

Official title	Foreign country
Minister of Agriculture-----	Northern Ireland

FOREIGN MEAT-INSPECTION OFFICIAL

Name and specimen signature of a foreign official who has been authorized by his national government to sign and issue foreign meat-inspection certificates for meat and meat food products exported to the United States:

Country and name	Signature
ENGLAND	
Dr. G. Clark Trotter-----	

CERTIFICATION OF MEATS AND CASINGS FOR POLAND

¶ In accordance with the requirements of the Polish Government, inspectors will issue M. I. Form 167 in duplicate for each consignment of meat or meat food products destined to Poland, in addition to the regular white meat-inspection certificate which must be furnished in harmony with the regulations.

Inspectors will also issue M. I. Form 167 in duplicate for each consignment of animal casings destined to Poland after satisfying themselves that the casings are derived only from animals which have been United States inspected and passed.

The duplicate copies of M. I. Form 167 should be forwarded to the Washington office.

M. I. FORM 112-E REVISED

The M. I. Form 112-E revised has again been changed and hereafter requisitions for this form will be filled with the latest revision. It will be noted that the form has been enlarged and a separate section has been provided for cattle reacting to the tuberculin test. Attention is directed to footnote C, which should also apply to parts passed for cooking.

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION,
NOVEMBER, 1930

Station	Cattle	Calves	Sheep and lambs	Goats	Swine
Baltimore	6,201	813	1,978	-----	65,212
Buffalo	7,559	1,439	8,020	-----	86,810
Chicago	110,416	30,203	226,063	259	681,096
Cincinnati	12,136	5,193	10,870	13	80,105
Cleveland	5,334	3,628	13,760	-----	57,689
Denver	7,493	1,289	13,878	-----	19,275
Detroit	5,441	5,529	19,051	1	65,835
Fort Worth	21,829	22,501	12,412	133	17,075
Indianapolis	12,987	2,478	4,945	5	128,413
Kansas City	64,632	16,049	85,245	23	173,353
Milwaukee	15,261	39,224	7,873	-----	135,837
National Stock Yards	26,809	6,857	27,447	723	90,065
New York	30,110	44,839	261,391	-----	68,760
Omaha	49,954	4,197	103,926	1	130,000
Philadelphia	4,440	5,187	17,072	-----	71,506
St. Louis	11,767	4,842	6,263	-----	136,188
Sioux City	25,567	2,174	76,333	1	81,363
South St. Joseph	20,862	5,106	68,799	-----	95,094
South St. Paul	39,679	50,232	112,855	1	263,164
Wichita	6,041	2,115	5,781	8	36,437
All other stations	120,530	69,807	221,520	175	1,539,841
Total:					
November, 1930	605,048	323,702	1,305,482	1,343	4,023,718
November, 1929	731,407	358,438	1,159,150	3,869	4,498,554
11 months ended November, 1930	7,478,817	4,197,421	15,270,154	9,916	39,619,092
11 months ended November, 1929	7,666,001	4,142,725	12,932,373	25,772	43,361,669
New York, Brooklyn, Jersey City, and Newark ¹	36,415	50,284	310,971	3	204,168

¹ The slaughter figures in this group of cities are included in the figures above for "New York" and "All other stations" and are combined here to show total in the Greater New York district.

Horses slaughtered:

November, 1930	-----	15,575
November, 1929	-----	14,669
11 months ended	-----	
November, 1930	-----	122,087
November, 1929	-----	116,171

Inspections of lard at all establishments, 131,118,056 inspection pounds; compound and other substitutes, 38,981,333 inspection pounds; sausage, 54,763,436 inspection pounds; oleomargarine, 11,811,266 inspection pounds. Corresponding inspections for November, 1929: Lard, 154,221,426 inspection pounds; compound and other substitutes, 35,020,810 inspection pounds; sausage, 64,718,056 inspection pounds; oleomargarine, 15,087,430 inspection pounds.

(These totals of inspection pounds do not represent actual production, as the same product may have been inspected and recorded more than once in the process of manufacture.)

EXTENT OF TUBERCULOSIS IN ANIMALS SLAUGHTERED AT THREE IMPORTANT MARKETS, NOVEMBER, 1930

Station	Total slaughter	Retained for tuberculosis		
		Total	Passed for cooking	Con- demned
Cattle excluding calves:				
Chicago	110,416	3,385	94	430
Kansas City	64,632	172	3	28
Omaha	49,954	585	24	54
Swine:				
Chicago	681,096	67,114	929	661
Kansas City	173,353	8,046	66	50
Omaha	130,600	9,026	103	84

CAUSES OF CONDEMNATION OF CARCASSES, OCTOBER, 1930

Cause	Cattle	Calves	Sheep and lambs	Swine
Emaciation.....	947	123	714	55
Hog cholera.....				2,276
Inflammatory diseases.....	1,249	161	895	2,090
Immaturity.....		277		
Tuberculosis.....	2,069	42		2,378
Other causes.....	1,781	175	764	2,973
Total.....	6,046	778	2,373	9,772

IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS, NOVEMBER, 1930

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during November, 1930, with figures for other periods for comparison.

Imports of food animals

Country of export	Cattle	Swine	Sheep	Goats
Mexico.....	3,351			
Canada.....	1,101	27	521	26
Virgin Islands (to Porto Rico).....	198	1		2
Total:				
November, 1930.....	4,650	28	521	28
November, 1929.....	42,001	124	1,425	4
11 months ended—				
November, 1930.....	211,593	374	8,502	103
November, 1929.....	487,843	2,420	26,905	221

Imported meats and meat food products

Country of export	Fresh and refrigerated		Cured and canned	Other meat products	Total weight
	Beef	Other			
Argentina.....			Pounds 602,702	Pounds 103,345	Pounds 706,047
Australia.....				3,909	3,909
Canada.....	32,331	21,352	194,941	61,361	309,985
New Zealand.....	126,438	30,275		12,923	169,636
Uruguay.....			472,933	39,760	512,693
Other countries.....			73,867	170,848	244,715
Total:					
November, 1930.....	153,769	51,627	1,344,443	392,146	1,946,935
November, 1929.....	1,291,373	136,009	8,408,607	1,344,219	11,180,208
11 months ended—					
November, 1930.....	5,567,815	2,882,853	51,409,615	4,814,965	64,675,248
November, 1929.....	35,856,660	11,961,848	98,489,300	9,993,469	156,301,277

Condemned in November, 1930: Beef, 164 pounds; veal, 1,012 pounds; pork, 18 pounds; total, 1,194 pounds.
Refused entry: Beef, 75,721 pounds; pork, 4,630 pounds; total, 80,351 pounds.

**SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION
WITH STATES, NOVEMBER, 1930**

State	Tuberculin tests during month			Total to date			Inspector in charge	State official
	Herd or lots	Cattle tested	Cattle reacted	Once-tested-free herds	Accredited herds	Herds under supervision		
Ala.	3,080	16,298	17	25,227	317	27,814	R. E. Jackson	C. A. Cary, Auburn.
Ariz.	79	1,912	19	8,754	46	8,856	F. L. Schneider	R. J. Hight, Phoenix.
Ark.	1,036	5,346	7	15,711	16	15,733	W. A. McDonald	J. H. Bux, Little Rock.
Calif.	214	18,023	67	8,187	164	8,630	W. E. Howe	J. P. Iverson, Sacramento.
Colo.	20	828	0	1,882	193	2,086	R. Snyder	C. G. Lamb, Denver.
Conn.	672	13,144	315	3,340	3,574	7,301	R. L. Smith	Charles Johnson, Hartford.
Del.	277	3,249	77	4,784	1,483	6,873	E. B. Simonds	O. A. Newton, Bridgeville.
D. C.				44	1	46	A. E. Wight	
Fla.	74	2,221	61	8,315	99	9,151	J. G. Fish	J. V. Knapp, Tallahassee.
Ga.	2,115	6,067	3	62,000	30	62,030	A. L. Hirleman	J. M. Sutton, Atlanta.
Idaho	417	8,840	5	39,373	62	42,654	W. A. Sullivan	A. J. Diekman, Boise.
Ill.	9,285	98,800	1,690	54,673	5,593	205,802	J. J. Lintner	D. W. Robison, Springfield.
Ind.	2,913	22,605	15	174,743	3,728	180,397	J. E. Gibson	Frank H. Brown, Indianapolis.
Iowa	6,692	117,304	1,720	100,000	2,571	200,000	J. A. Barger	M. G. Thornburg, Des Moines.
Kans.	1,074	15,502	57	103,402	567	104,252	N. L. Townsend	J. H. Mercer, Topeka.
Ky.	1,023	7,857	5	83,378	56	83,881	W. F. Biles	D. E. Westmorland, Frankfort.
La.	53	1,244	0	3,414	13	32,510	G. T. Cole	E. P. Flower, Baton Rouge.
Me.	773	8,669	15	42,775	944	43,755	G. R. Caldwell	H. M. Tucker, Augusta.
Md.	1,873	20,541	378	17,660	10,069	35,602	E. B. Simonds	James B. George, Baltimore.
Mass.	1,100	11,237	1,276	4,421	2,302	7,773	E. A. Crossman	E. F. Richardson, Boston.
Mich.	2,553	26,406	131	184,336	85	185,070	T. S. Rich	C. H. Clark, Lansing.
Minn.	6,786	141,825	1,132	114,315	7,120	122,981	W. J. Fretz	C. E. Cotton, St. Paul.
Miss.	9	632	1	12,848	26	12,881	H. Robbins	G. B. Bradshaw, Jackson.
Mo.	1,693	18,469	• 53	88,034	240	91,929	Ralph Graham	H. A. Wilson, Jefferson City.
Mont.	297	6,486	29	34,227	72	37,842	J. W. Murdoch	W. J. Butler, Helena.
Nebr.	2,118	39,140	315	81,756	114	82,191	A. H. Francis	C. H. Hays, Lincoln.
Nev.	70	3,047	3	2,821	9	3,130	L. C. Butterfield	Edward Records, Reno.
N. H.	931	14,038	548	3,334	4,553	8,166	E. A. Crossman	A. L. Felker, Concord.
N. J.	356	4,394	200	4,950	4,104	13,344	Ellis E. McCoy	J. H. McNeil, Trenton.
N. Mex.	47	764	4	3,422	24	3,534	F. L. Schneider	Mat Keenan, Albuquerque.
N. Y.	8,615	122,035	5,010	25,664	87,078	121,571	H. B. Leonard	E. T. Faulder, Albany.
N. C.	101	1,729	3	256,563	361	256,924	W. C. Dendering	William Moore, Raleigh.
N. Dak.	2,116	42,730	225	59,187	5,378	71,106	H. H. Cohenour	W. F. Crewe, Bismarck.
Ohio	8,818	67,497	618	249,463	762	253,457	A. J. De Fosset	C. McCardless, Columbus.
Okla.	543	4,677	14	6,756	246	7,014	L. J. Allen	C. C. Hisel, Oklahoma City.
Oreg.	1,084	9,333	29	35,372	582	35,971	S. B. Foster	W. H. Lytle, Salem.
Pa.	4,163	38,322	1,785	122,022	6,199	140,834	J. B. Reidy	T. E. Munce, Harrisburg.
R. I.	47	1,092	80	249	134	713	E. A. Crossman	T. E. Robinson, Providence.
S. C.	888	2,918	5	75,896	119	76,074	W. K. Lewis	W. K. Lewis, Columbia.
S. Dak.	2,099	41,570	497	8,767	1,297	10,634	J. O. Wilson	T. H. Ruth, Pierre.
Tenn.	1,333	7,277	5	80,900	125	81,143	H. L. Fry	J. M. Jones, Nashville.
Tex.	206	8,915	17	9,783	449	10,522	H. L. Darby	N. F. Williams, Fort Worth.
Utah	1,099	6,623	53	11,988	103	12,531	F. E. Murray	W. H. Hendricks, Salt Lake City.
Vt.	1,219	27,570	454	2,476	8,524	12,878	L. H. Adams	Edward H. Jones, Montpelier.
Va.	2,403	14,208	60	70,196	995	71,366	R. E. Brookbank	H. C. Givens, Richmond.
Wash.	1,594	20,855	262	47,517	91	59,409	J. C. Exline	Robert Prior, Olympia.
W. Va.	1,594	7,725	17	69,886	640	71,690	H. M. Newton	John W. Smith, Charleston.
Wis.	9,249	162,606	851	175,488	11,927	188,282	J. S. Healy	Walter Wisnicky, Madison.
Wyo.	21	539	0	11,817	4	13,203	John T. Dallas	H. D. Port, Cheyenne.
Total	94,795	1,223,169	18,127	2,612,116	173,189	3,112,539		

SUMMARY OF HOG-CHOLERA-CONTROL WORK, NOVEMBER, 1930

State	Bureau veteri- narians engaged in work ¹	Meet- ings ad- dressed	Premises investi- gated	Demonstrations		Autop- sies per- formed	Farms quar- tained or carded	Farms cleaned and dis- infected	Out- breaks reported to bu- reau vet- erinar- ians
				Number	Hogs treated				
Alabama	1		109	3	134	2			
Colorado	1	4	17			12			5
Florida	1		53	24	270	5			6
Georgia	1		20	1	8	1			7
Idaho	.33		75	1	174	6			
Illinois	3		141	1	30	76	4	1	49
Indiana	2		52			4	2		4
Iowa	2	1	50			13			23
Kentucky	2	1	116	1	38	12			3
Kansas	1		54	4	250	2			43
Louisiana	1		67	6	116	2			14
Maryland	2		191	1	2	21	12	1	38
Michigan	2		112	5	240	23			17
Mississippi	1.03	2	66	24	153	4			
Missouri	.33	1	79			2			6
Nebraska	.16		22			8			4
North Carolina	1		64	1	172	7			3
Ohio	2		131			6			35
Oklahoma	2	3	84	1	19	6	5		
South Carolina	1		35	24	585	4			2
South Dakota	1		4	1	66	5			7
Tennessee	.5	2	39	3	17	3	1		11
Texas	1		58	1	100	4	2		15
Virginia	1		98	1	19	3			1
Washington}	1	1	40			6			6
Wisconsin	1		99	27	207	11	9		9
Total	32.35	16	1,876	130	2,600	248	36	30	318

¹ Fractions denote men devoting part time to the work.

NOTE.—No work reported from California, Montana, Utah, and West Virginia.

ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS PRODUCED UNDER LICENSES, NOVEMBER, 1930

	Total serum	Clear serum completed	Hyperim- mune blood cleared	Simultaneous virus	Hyperim- munizing virus
	<i>C. c.</i>	<i>C. c.</i>	<i>C. c.</i>	<i>C. c.</i>	<i>C. c.</i>
November, 1930	45,240,637	37,432,038	46,561,180	3,514,853	9,801,428
November, 1929	66,949,088	54,736,435	45,940,588	2,415,225	7,397,942
11 months ended November, 1930	760,597,005	616,743,741	753,290,613	58,463,018	157,662,387
11 months ended November, 1929	947,976,525	630,217,371	784,709,718	53,963,751	191,526,238

LICENSES ISSUED FOR BIOLOGICAL PRODUCTS, NOVEMBER, 1930

License No. 163-A was issued November 19, 1930, to the Fidelity Laboratories (Inc.), Thirteenth Street and Bellevue Boulevard, South Omaha, Nebr. (mailing address 820 Exchange Avenue, Chicago, Ill.), for avian mixed bacterin and pullooin.

License No. 191 was issued November 19, 1930, to Ashe Lockhart (Inc.), 800-804 Woodswether Road, Kansas City, Mo., for antiantibiotic serum.

License No. 197 was issued November 3, 1930, to the Patterson-Harwood Laboratories, Fairmont Addition, Manhattan, Kans., for anti-hog-cholera serum and hog-cholera virus.

LICENSES TERMINATED, NOVEMBER, 1930

License No. 144, issued June 25, 1923, to Terrell's Laboratories, 308-324 Texas National Bank Building, Fort Worth, Tex., was terminated November 17, 1930, because of the discontinuance of production.

PERMITS ISSUED FOR BIOLOGICAL PRODUCTS, NOVEMBER, 1930

Permit No. 9 was issued November 28, 1930, to Burroughs Wellcome & Co. (U. S. A.) (Inc.), 9 and 11 East Forty-first Street, New York City, N. Y., for the importation during 1931 of antileptospiral serum (canine), canine-distemper tissue

vaccine, lamb-dysentery antitoxin, lamb-dysentery bacterin, leptospira bacterin (canine), manufactured by the Wellcome Physiological Research Laboratories, Langley Court, Beckenham, Kent, England.

**PROCEEDINGS UNDER THE PACKERS AND STOCKYARDS ACT,
DECEMBER, 1930**

Docket No. 294.—In re Leo Schloss (Inc.), packer, Newark, N. J. On August 12, 1929, the Acting Secretary of Agriculture issued a complaint, alleging that respondent had violated the act by engaging in a certain unfair, unjustly discriminatory, and deceptive practice. On September 17, 1929, the Acting Secretary of Agriculture issued an order directing that the cause be continued until further order therein. It now appears to the Secretary of Agriculture that the complaint should be dismissed without prejudice. Accordingly, on December 15, 1930, the complaint was dismissed without prejudicing the right of the complainant to institute any further proceedings that he sees fit.

Docket No. 316.—In re Meridian Union Stock Yards, market agency, Meridian, Miss. On July 9, 1930, the Acting Secretary of Agriculture issued an inquiry and notice, alleging violations of the act by failure of respondent to execute and maintain a reasonable bond to secure the performance of its obligations incurred as a market agency. Under date of July 25, 1930, the respondent acknowledged the service of the order of inquiry, admitted the truth of the matters and things therein alleged, and waived a hearing thereon. On September 15, 1930, the Meridian Union Stock Yards was suspended from registration as a market agency for six months, with leave during said period to apply for revocation of this suspension upon a satisfactory showing that it has filed a reasonable bond to suitable trustees to secure the performance of its obligations incurred as a market agency and has on file with the Bureau of Animal Industry a fully executed duplicate of said bond. It was also ordered that the Meridian Union Stock Yards cease and desist from doing business as a market agency without maintaining a reasonable bond to suitable trustees to secure the performance of its obligations incurred as such market agency. On October 7, 1930, the respondent entered into a reasonable bond to suitable trustees to secure the performance of its obligations incurred as a market agency and on October 24, 1930, a fully executed duplicate of said bond was filed with the Bureau of Animal Industry. Accordingly, on December 6, 1930, the suspension of the Meridian Union Stock Yards from registration as a market agency for six months was revoked and terminated.

Docket No. 324.—In re Harry S. Lambert, dealer, Union Stock Yards, Baltimore, Md. On August 13, 1930, the Acting Secretary of Agriculture issued an inquiry and notice, alleging violations of the act by failure of respondent to execute and maintain a reasonable bond to secure the performance of his obligations incurred as a dealer. On September 22, 1930, a hearing was held in this case. On November 20, 1930, the respondent entered into a reasonable bond to suitable trustees to secure the performance of his obligations incurred as such dealer and a fully executed duplicate of the same was filed on November 26, 1930, with the Bureau of Animal Industry at Washington, D. C. On December 23, 1930, the respondent was ordered to cease and desist from doing business as a dealer without maintaining a reasonable bond to suitable trustees to secure the performance of his obligations incurred as a dealer and without having on file with the Bureau of Animal Industry a fully executed duplicate of such bond or of some other satisfactory plan of guaranty.

RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the bureau, as follows:

Twenty-eight-Hour Law

New York Central Railroad Co., \$100 penalty.

Livestock Quarantine Law

Minneapolis, St. Paul & Sault Ste. Marie Railway Co., \$100 fine for failure to mark waybill "tuberculous cattle."

Northern Pacific Railway Co. (two cases), \$200 fine for failure to mark waybill "tuberculous cattle."



3 1262 08852 7261

(January, 1931)

J. H. Sistrunk, Lumberton, Miss., \$10 fine for interstate transportation of one bull from Mississippi to Louisiana without inspection, dipping, or certification.

NEW PUBLICATIONS OF THE BUREAU

[The bureau keeps no mailing list for sending publications to individual employees but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible additional copies will be furnished on request.]

Technical Bulletin No. 219. Mountain-Laurel (*Kalmia latifolia*) and Sheep-Laurel (*Kalmia angustifolia*) as Stock-Poisoning Plants. By C. Dwight Marsh and A. B. Clawson, Pathological Division. Pp. 23, figs. 6.

Department Bulletin No. 662 (revised). Vesicular Stomatitis of Horses and Cattle. By John R. Mohler, Chief of the Bureau of Animal Industry. Pp. 10.

Circular No. 148. Parasites and Parasitic Diseases of Horses. By Benjamin Schwartz, Marion Imes, and Willard H. Wright, Zoological Division. Pp. 54, figs. 36.

Farmers' Bulletin No. 1069 (revised). Tuberculosis in Livestock, Detection, Control, and Eradication. By John A. Kiernan (deceased) and A. E. Wight, Tuberculosis Eradication Division. Pp. 21, figs. 12.

Studies of Vaccination during Calfhood to Prevent Bovine Infectious Abortion. By J. M. Buck, Experiment Station, Bethesda, Md. In Journal of Agricultural Research, vol. 41, No. 9, November 1, 1930. Key No. A-142.

Germicidal Efficiency of Soaps and of Mixtures of Soaps with Sodium Hydroxide or with Phenols. By J. M. Schaffer and F. W. Tilley, Biochemic Division. In Journal of Agricultural Research, vol. 41, No. 10, November 15, 1930. Key No. A-142.

Amendment 7 to B. A. I. Order No. 324, declaring names of counties placed in modified accredited area for tuberculosis. Effective December 1, 1930. P. 1 (mimeographed).

Statistical tables and maps showing progress in eradicating tuberculosis from livestock in the United States. Pp. 21, figs. 2. (mimeographed).

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Associate Chief: U. G. HOUCK.

Assistant Chief: A. W. MILLER.

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Office of Personnel: GEORGE R. BROWN, in charge.